

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 rental) and offline and online	US-PGPUB; USPAT	OR	ON	2007/08/24 11:40
L2	11	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 rental) and offline and production	US-PGPUB; USPAT	OR	ON	2007/08/24 11:45
L3	0	(@ad<"20030929" and @rlad<"20030929") and ((dvd or cd or movie or multimedia or game) adj3 rental)same postal adj service	US-PGPUB; USPAT	OR	ON	2007/08/24 11:54
L4	0	(@ad<"20030929" and @rlad<"20030929") and ((dvd or cd or movie or multimedia or game) adj3 rental)same postal near service	US-PGPUB; USPAT	OR	ON	2007/08/24 11:55
L5	0	(@ad<"20030929" and @rlad<"20030929") and ((dvd or cd or movie or multimedia or game) adj3 rental)and postal near service	US-PGPUB; USPAT	OR	ON	2007/08/24 11:55
L6	7	(@ad<"20030929" and @rlad<"20030929") and ((dvd or cd or movie or multimedia or game) adj3 rental)and postal	US-PGPUB; USPAT	OR	ON	2007/08/24 12:11
L7	1	(@ad<"20030929" and @rlad<"20030929") and ((dvd or cd or movie or multimedia or game) adj3 rental)and postal near3 service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 11:58
L8	14	(@ad<"20030929" and @rlad<"20030929") and (dvd or cd or movie or multimedia or game) same offline and postal near3 service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 11:58
L9	1	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image)same(\$2live or heartbeat or signal or detect\$4) and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:06
L10	33	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image)and(\$2live or heartbeat or signal or detect\$4) and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:08

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L11	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image)and (online and offline and link same(\$2live or heartbeat or signal or detect\$4)) and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:09
L12	3	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image)and (online and offline and link and(\$2live or heartbeat or signal or detect\$4)) and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:10
L13	0	(@ad<"20030929" and @rlad<"20030929") and (dvd or cd or movie or multimedia or game)same rental same postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:11
L14	16	(@ad<"20030929" and @rlad<"20030929") and (dvd or cd or movie or multimedia or game)same rental and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 13:13
L21	71	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) near3(indicat\$4 or heartbeat or signal or detect\$4 or live or collision)	US-PGPUB; USPAT	OR	ON	2007/08/24 12:34
L22	68	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) near3(indicat\$4 or heartbeat or signal or detect\$4)	US-PGPUB; USPAT	OR	ON	2007/08/24 12:34
L23	14	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) near3(indicat\$4 or heartbeat or signal or detect\$4) and 709/2\$\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/24 13:56
L24	4	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) near3(indicat\$4 or heartbeat or signal or detect\$4) and "705"/\$\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/24 12:35

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L25	0	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) near3(heartbeat) and 709/2\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/24 12:40
L26	16	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat) and 709/2\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/24 12:55
L27	43	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:02
L28	23	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat) and disc	US-PGPUB; USPAT	OR	ON	2007/08/24 12:56
L29	0	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat) and postal near service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:56
L30	0	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat) and postal same service\$1	US-PGPUB; USPAT	OR	ON	2007/08/24 12:56
L31	0	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(game\$1 or movie\$1 or media or multimedia) and(heartbeat) and postal	US-PGPUB; USPAT	OR	ON	2007/08/24 12:56
L32	4	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(file) same (heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:02
L33	4	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near(file\$1) same (heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:03

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L34	10	(@ad<"20030929" or @rlad<"20030929") and (download\$4 or (down adj load\$4)) near3(file\$1) same (heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:10
L35	0	(@ad<"20030929" or @rlad<"20030929") and (video adj on adj demand)same (heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:10
L36	0	(@ad<"20030929" or @rlad<"20030929") and (video adj on adj demand)and (heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 13:10
L37	2	(@ad<"20030929" and @rlad<"20030929") and (dvd or cd or movie or multimedia or game)same rental and postal same service\$1 and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/24 13:13
L38	40	(@ad<"20030929" or @rlad<"20030929") and client and server\$1 and (download\$4 or (down adj load\$4)) same heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/24 13:57
L39	883599	(@ad<"20030929" or @rlad<"20030929") and client and server\$1 and (download\$4 or (down adj load\$4)) same heartbeat and duration or interval	US-PGPUB; USPAT	OR	ON	2007/08/24 13:58
L40	34	(@ad<"20030929" or @rlad<"20030929") and client and server\$1 and (download\$4 or (down adj load\$4)) same heartbeat and (duration or interval)	US-PGPUB; USPAT	OR	ON	2007/08/24 14:05
L41	5	(@ad<"20030929" or @rlad<"20030929") and client and server\$1 and (download\$4 or (down adj load\$4)) same heartbeat same(duration or interval)	US-PGPUB; USPAT	OR	ON	2007/08/24 14:02
L42	40	(@ad<"20030929" or @rlad<"20030929") and client and server\$1 and (download\$4 or (down adj load\$4)) same heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/24 14:02
S1	143	(heartbeat or (heart adj beat))same internet same server	US-PGPUB; USPAT	OR	ON	2007/05/02 10:58
S2	8	(heartbeat or (heart adj beat))same internet same server same record\$4 and link\$4	US-PGPUB; USPAT	OR	ON	2007/04/30 15:41
S3	1	(@ad<"20030929" and @rlad<"20030929") and (heartbeat or (heart adj beat))same internet same server same record\$4 and link\$4	US-PGPUB; USPAT	OR	ON	2007/04/30 15:46

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S4	15	(@ad<"20030929" and @rlad<"20030929") and (heartbeat or (heart adj beat))same network same server same link\$4	US-PGPUB; USPAT	OR	ON	2007/04/30 15:47
S5	9	(@ad<"20030929" and @rlad<"20030929") and (heartbeat or (heart adj beat))same network same server same link\$4 and record\$4	US-PGPUB; USPAT	OR	ON	2007/04/30 15:56
S6	5	(@ad<"20030929" and @rlad<"20030929") and (heartbeat or (heart adj beat))same internet same server same link\$4 and record\$4	US-PGPUB; USPAT	OR	ON	2007/04/30 15:57
S7	1	("6173311").PN.	USPAT	OR	OFF	2007/05/01 10:32
S8	1	("6584186").PN.	USPAT	OR	OFF	2007/05/02 16:27
S9	1	("20020112076").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/14 15:21
S10	1	("6999990").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/14 15:00
S11	1	("6654807").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/14 15:23
S12	1	("6185598").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 11:05
S13	1	("7117273").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 14:35
S14	5	distribut\$4 same image same keep\$live or heartbeat same ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:37
S15	2	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image same keep\$live or heartbeat same ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:38
S16	24	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and keep\$live or heartbeat same ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:38
S17	0	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$live or heartbeat) same ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:14

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S18	0	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$live or heartbeat) same ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:39
S19	1	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$live or heartbeat) and ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:40
S20	1	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 near4 image and (keep\$live or heartbeat) and ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:40
S21	4	(@ad<"20030929" and @rlad<"20030929") and ((distribut\$4 or deliver\$4 or transmit\$4) near4 image) and (keep\$live or heartbeat) and ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:43
S22	52	(@ad<"20030929" and @rlad<"20030929") and image and (keep\$live or heartbeat) and ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:43
S23	0	(@ad<"20030929" and @rlad<"20030929") and image and (keep\$live or heartbeat) same ((time adj to adj live) or TTL) and (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:44
S24	5	(@ad<"20030929" and @rlad<"20030929") and image and (keep\$live or heartbeat) and ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:47
S25	90	(@ad<"20030929" and @rlad<"20030929") and server same image and (keep\$live or heartbeat) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:47
S26	0	(@ad<"20030929" and @rlad<"20030929") and server same image same (keep\$live or heartbeat) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:47

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S27	90	(@ad<"20030929" and @rlad<"20030929") and server same image and (keep\$live or heartbeat) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:47
S28	74	(@ad<"20030929" and @rlad<"20030929") and server same image and (http or (hypertext adj transfer adj protocol)) and (keep\$live or heartbeat) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/15 14:48
S29	39	(@ad<"20030929" and @rlad<"20030929") and server same image and (http or (hypertext adj transfer adj protocol)) and (keep\$live or heartbeat) same (period or interval) and track\$4 and web	US-PGPUB; USPAT	OR	ON	2007/08/15 14:49
S30	32	(@ad<"20030929" and @rlad<"20030929") and server same image and (http or (hypertext adj transfer adj protocol)) and (keep\$live or heartbeat) same (period or interval) and track\$4 and web and (disc or dvd or cd)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:01
S31	353	image.ti. and distribut\$.ti.	US-PGPUB; USPAT	OR	ON	2007/08/15 15:01
S32	60	(@ad<"20030929" and @rlad<"20030929") and image.ti. and distribut\$.ti.	US-PGPUB; USPAT	OR	ON	2007/08/15 15:02
S33	11	(@ad<"20030929" and @rlad<"20030929") and image.ti. and distribut\$.ti. and http and track\$	US-PGPUB; USPAT	OR	ON	2007/08/15 15:04
S34	11	(@ad<"20030929" and @rlad<"20030929") and image.ti. and distribut\$.ti. and http and track\$ and disc	US-PGPUB; USPAT	OR	ON	2007/08/15 15:02
S35	3	(@ad<"20030929" and @rlad<"20030929") and request\$4 same image same distribut\$ and (check\$3 or detect\$4) same (internet adj connect\$4)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:07
S36	29	(@ad<"20030929" and @rlad<"20030929") and image same distribut\$ and (check\$3 or detect\$4) same (internet adj connect\$4)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:12

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S37	104	(@ad<"20030929" and @rlad<"20030929") and image same server and (check\$3 or detect\$4) same (internet adj connect\$4)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:12
S39	86	(@ad<"20030929" and @rlad<"20030929") and image same server and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:13
S40	72	(@ad<"20030929" and @rlad<"20030929") and image same server and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc) and track\$	US-PGPUB; USPAT	OR	ON	2007/08/15 15:13
S41	16	(@ad<"20030929" and @rlad<"20030929") and image near4 server and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc) and track\$	US-PGPUB; USPAT	OR	ON	2007/08/15 15:20
S42	0	(@ad<"20030929" and @rlad<"20030929") and image near4 server and heartbeat and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc) and track\$	US-PGPUB; USPAT	OR	ON	2007/08/15 15:20
S43	0	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc) and track\$	US-PGPUB; USPAT	OR	ON	2007/08/15 15:20
S44	0	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat and (check\$3 or detect\$4) same (internet adj connect\$4) and (cd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:20
S45	20	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat same communication and (cd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:21
S46	6	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat near3 communication and (cd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:23

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S47	2	(@ad<"20030929" and @rlad<"20030929") and image same server and (heartbeat near communication)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:24
S48	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near image) and (heartbeat near communication)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:24
S49	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image) and (heartbeat near communication)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:24
S50	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3 image) and (heartbeat near3 communication)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:25
S51	2	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (heartbeat near3 communication)	US-PGPUB; USPAT	OR	ON	2007/08/15 15:25
S52	10	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near image) and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/15 15:31
S53	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near image) same server and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/15 15:31
S54	177	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/15 15:31
S55	95	(@ad<"20030929" and @rlad<"20030929") and image same server and heartbeat and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 15:32
S56	24	(@ad<"20030929" and @rlad<"20030929") and image near3 server and heartbeat and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 15:40
S57	27	(@ad<"20030929" and @rlad<"20030929") and image near3 server and (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 15:42
S58	137	(@ad<"20030929" and @rlad<"20030929") and image same server and (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 15:42

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S59	8	(@ad<"20030929" and @rlad<"20030929") and image same server same (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:13
S60	0	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 near3(image or video or audio or multimedia) same server same (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:14
S61	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server same (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:14
S62	1	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 same(image or video or audio or multimedia)) same server same (heartbeat or (keep\$live)) and internet and web and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:15
S63	1	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 same(image or video or audio or multimedia)) same server same (heartbeat or (keep\$live)) and internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:15
S64	53	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 same(image or video or audio or multimedia)) same server and (heartbeat or (keep\$live)) and internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:15
S65	32	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server and (heartbeat or (keep\$live)) and internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:15
S66	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server and (heartbeat adj communication) and internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:16

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S67	0	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server and (heartbeat adj3 communication) and internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:16
S68	34	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server and heartbeat sameinternet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:16
S69	5	(@ad<"20030929" and @rlad<"20030929") and (distribut\$4 near3(image or video or audio or multimedia)) same server and heartbeat same internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:16
S70	5	(@ad<"20030929" and @rlad<"20030929") and request\$4 same (distribut\$4 same(image or video or audio or multimedia)) same server and heartbeat same internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:19
S71	7	(@ad<"20030929" and @rlad<"20030929") and request\$4 and (distribut\$4 same(image or video or audio or multimedia)) same server and heartbeat same internet and http	US-PGPUB; USPAT	OR	ON	2007/08/15 17:19
S72	1	("6970928").PN.	USPAT	OR	OFF	2007/08/15 17:20
S73	1	("20020052961").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:20
S74	0	("200220052917").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:21
S75	1	("20020052917").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/15 17:21
S76	1	("20020152313").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/16 14:34
S79	195	(indicat\$4 or notif\$4) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 16:59
S80	1	("6987522").PN.	USPAT	OR	OFF	2007/08/17 16:55
S81	1	("6956589").PN.	USPAT	OR	OFF	2007/08/17 16:56
S82	1	("6989848").PN.	USPAT	OR	OFF	2007/08/17 16:56
S83	1	("7050072").PN.	USPAT	OR	OFF	2007/08/17 16:56

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S84	68	@ad<"20011105" and (indicat\$4 or notif\$4) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:01
S85	0	@ad<"20011105" and (indicat\$4 or notif\$4) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia) and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/17 17:01
S86	39	@ad<"20011105" and (indicat\$4 or notif\$4) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:01
S87	6	@ad<"20011105" and client and server and (indicat\$4 or notif\$4) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:04
S88	0	@ad<"20011105" and client and server and (online or (on adj line) or (on-line) near status) near3 (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:05
S89	6	@ad<"20011105" and client and server and (online or (on adj line) or (on-line) near status) same (connect\$4 or communicat\$4) same send\$4 near3 (image or audio or multimedia) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:05
S91	17	@ad<"20011105" and client and server and (online or (on adj line) or (on-line) near status) same send\$4 near3 (image or audio or multimedia) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:10
S92	24	@ad<"20011105" and client and server and (online or (on adj line) or (on-line) near status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:13
S93	0	@ad<"20011105" and client and server and (conenct\$4 near status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:13
S94	0	@ad<"20011105" and client and server and (connect\$4 near status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:14

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S95	0	@ad<"20011105" and client and server and (connect\$4 near3 status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:14
S96	1	@ad<"20011105" and client and server and (internet near3 status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:15
S97	366	@ad<"20011105" and client and server and (internet or online or (on-line) near3status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:15
S99	24	@ad<"20011105" and client and server and (online or (on-line) near3 status) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:18
S100	0	@ad<"20011105" and client and server and (notif\$4 near3 connect\$4) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:18
S101	0	@ad<"20011105" and client and server and ((notif\$4 or verif\$4) near4 connect\$4) same (distribut\$4 near3 (image or audio or multimedia)) and disc	US-PGPUB; USPAT	OR	ON	2007/08/17 17:19
S102	3	@ad<"20011105" and client and server and ((notif\$4 or verif\$4) near4 connect\$4) same distribut\$4 same(image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:20
S103	11	@ad<"20011105" and client and server and ((indicat\$4 or notif\$4 or verif\$4) near4 connect\$4) same distribut\$4 same(image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:20
S104	12	@ad<"20011105" and client and server and ((indicat\$4 or notif\$4 or verif\$4) near4 connect\$4) same distribut\$4 same(image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:26
S105	7	@ad<"20011105" and client and server and ((indicat\$4 or verif\$4) near4 connect\$4) same distribut\$4 near3 (image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:26

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S10 6	222	@ad<"20011105" and client and server and ((indicat\$4 or verif\$4) near4 connect\$4) and (distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:26
S10 7	294	@ad<"20011105" and request\$4 and server and ((indicat\$4 or verif\$4) near4 connect\$4) and (distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:27
S10 8	232	@ad<"20011105" and request\$4 same server and ((indicat\$4 or verif\$4) near4 connect\$4) and (distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:50
S10 9	7	@ad<"20011105" and request\$4 same server and ((indicat\$4 or verif\$4) near4 connect\$4) same (distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:28
S11 0	0	@ad<"20011105" and (heartbeat adj communication) same (distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:29
S11 1	0	@ad<"20011105" and (heartbeat adj communication) and(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:29
S11 2	1	@ad<"20011105" and (heartbeat adj communication) and distribut\$4 same (image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:30
S11 4	0	@ad<"20011105" and (heartbeat adj communication) and send3 same (image or audio or multimedia)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:30
S11 5	2	@ad<"20011105" and (heartbeat adj communication) and (image or audio or multimedia)same server	US-PGPUB; USPAT	OR	ON	2007/08/17 17:33
S11 6	2	@ad<"20011105" and (heartbeat adj communication) and image same server	US-PGPUB; USPAT	OR	ON	2007/08/17 17:36
S11 7	44	@ad<"20011105" and heartbeat same communication and image same server	US-PGPUB; USPAT	OR	ON	2007/08/17 17:36
S11 8	0	@ad<"20011105" and heartbeat same communication same image same server	US-PGPUB; USPAT	OR	ON	2007/08/17 17:36

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S11 9	0	@ad<"20011105" and heartbeat same communication and image same server same http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:36
S12 0	21	@ad<"20011105" and heartbeat same communication and image same server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:37
S12 1	10	@ad<"20011105" and heartbeat same communication and image same server and http and (dvd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:39
S12 2	1	@ad<"20011105" and indicat\$4 same heartbeat same communication and image same server and http and (dvd or disc)	US-PGPUB; USPAT	OR	ON	2007/08/17 17:39
S12 3	4	@ad<"20011105" and indicat\$4 same heartbeat same communication and image same server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:41
S12 4	38	@ad<"20011105" and indicat\$4 same heartbeat and image same server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:29
S12 5	5	@ad<"20011105" and indicat\$4 same heartbeat and image near3 server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:43
S12 6	0	@ad<"20011105" and indicat\$4 same heartbeat and distribut\$4 same image near3 server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:43
S12 7	11	@ad<"20011105" and indicat\$4 same distribut\$4 same image near3 server and http	US-PGPUB; USPAT	OR	ON	2007/08/17 17:43
S12 8	22	@ad<"20011105" and ((indicat\$4 or verif\$4) near4 connect\$4) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:52
S12 9	0	@ad<"20011105" and (offline near3 status) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:52
S13 0	62	@ad<"20011105" and (offline or online) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:52
S13 1	0	@ad<"20011105" and indicat\$4 near4(offline or online) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:53

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S13 2	4	@ad<"20011105" and (indicat\$4 same (offline or online)) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:54
S13 3	62	@ad<"20011105" and (offline or online) same(distribut\$4 near3 (image or audio or multimedia))	US-PGPUB; USPAT	OR	ON	2007/08/17 17:54
S13 4	34	@ad<"20011105" and (offline or online) same(distribut\$4 near3 (image or audio or multimedia)) and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:02
S13 6	215	@ad<"20011105" and distribut\$4 near3 image same client	US-PGPUB; USPAT	OR	ON	2007/08/17 18:02
S13 7	5610	@ad<"20011105" and distribut\$4 near image near3client	US-PGPUB; USPAT	OR	ON	2007/08/17 18:03
S13 8	42	@ad<"20011105" and distribut\$4 near image near3 client	US-PGPUB; USPAT	OR	ON	2007/08/17 18:03
S13 9	42	@ad<"20011105" and (distribut\$4 near image) near3 client	US-PGPUB; USPAT	OR	ON	2007/08/17 18:03
S14 0	0	@ad<"20011105" and (distribut\$4 near image) near3 client same http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:03
S14 1	16	@ad<"20011105" and (distribut\$4 near image) near3 client and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:09
S14 2	48	@ad<"20011105" and (distribut\$4 near image) same client and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:09
S14 3	226	@ad<"20011105" and (image near server) same client and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:10
S14 4	75	@ad<"20011105" and (image near server) near3 client and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:10
S14 5	0	@ad<"20011105" and (image near server) near3 client and http and heartbeat	US-PGPUB; USPAT	OR	ON	2007/08/17 18:10
S14 6	14	@ad<"20011105" and distribut\$4 same (image near server) near3 client and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:16
S14 7	15	@ad<"20011105" and (online adj status) and (offline adj status)	US-PGPUB; USPAT	OR	ON	2007/08/17 18:16
S14 8	0	@ad<"20011105" and (online adj status) and (offline adj status) and imge	US-PGPUB; USPAT	OR	ON	2007/08/17 18:17
S14 9	10	@ad<"20011105" and (online adj status) and (offline adj status) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:19
S15 0	1	@ad<"20011105" and (online adj status) and (offline adj status) and image and http	US-PGPUB; USPAT	OR	ON	2007/08/17 18:17

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S15 1	2537	@ad<"20011105" and determin\$4 near connect\$4 and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:20
S15 2	6	@ad<"20011105" and (determin\$4 near internet adj connect\$4) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:22
S15 3	1	@ad<"20011105" and (determin\$4 near internet adj status) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:22
S15 4	0	@ad<"20011105" and (determin\$4 near conenct\$4) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:23
S15 5	2537	@ad<"20011105" and (determin\$4 near connect\$4) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:23
S15 6	41	@ad<"20011105" and (determin\$4 near3 internet near connect\$4) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:36
S15 7	4	@ad<"20011105" and (determin\$4 near3 internet near connect\$4)same (estalish\$4 or success\$4) and image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:38
S15 8	0	@ad<"20011105" and (determin\$4 near3 internet near connect\$4)same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:38
S15 9	0	@ad<"20011105" and (determin\$4 near3 internet near3 connect\$4)same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:38
S16 0	0	@ad<"20011105" and (determin\$4 near3 internet)same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:39
S16 1	0	@ad<"20011105" and (determin\$4 near3 internet)same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:39
S16 2	45	@ad<"20011105" and determin\$4 same internet same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:39
S16 3	36	@ad<"20011105" and indicat\$4 near3 connect\$\$ same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:40
S16 4	36	@ad<"20011105" and (indicat\$4 near3 connect\$\$) same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:40

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S16 5	31	@ad<"20011105" and (indicat\$4 near3 connect\$4) same (estalish\$4 or success\$4) and distribut\$4 same image	US-PGPUB; USPAT	OR	ON	2007/08/17 18:40
S16 6	0	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$2live heartbeat) same ((time adj to adj live) or TTL) same (period or interval)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:17
S16 7	0	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$2live heartbeat) same ((time adj to adj live) or TTL)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:18
S16 8	1162	(@ad<"20030929" and @rlad<"20030929") and image and (keep\$2live heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:18
S16 9	167	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$2live heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/22 16:18
S17 0	7	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image same(keep\$2live heartbeat)	US-PGPUB; USPAT	OR	ON	2007/08/24 12:02
S17 1	121	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$2live heartbeat) and network	US-PGPUB; USPAT	OR	ON	2007/08/22 16:20
S17 2	3	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and (keep\$2live heartbeat) same http and network	US-PGPUB; USPAT	OR	ON	2007/08/22 16:23
S17 3	47	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and heartbeat and http and network	US-PGPUB; USPAT	OR	ON	2007/08/22 16:24
S17 4	23	(@ad<"20030929" and @rlad<"20030929") and distribut\$4 same image and heartbeat and http and 709/2\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/08/22 16:24
S17 5	0	(@ad<"20030929" and @rlad<"20030929") and game same (download\$4 or (down adj load\$4)) same rental and yahoo	US-PGPUB; USPAT	OR	ON	2007/08/23 16:49

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S17 6	0	(@ad<"20030929" and @rlad<"20030929") and game same (download\$4 or (down adj load\$4)) same rent\$4 and yahoo	US-PGPUB; USPAT	OR	ON	2007/08/23 16:49
S17 7	11	(@ad<"20030929" and @rlad<"20030929") and game same (download\$4 or (down adj load\$4)) and rent\$4 and yahoo	US-PGPUB; USPAT	OR	ON	2007/08/23 16:53
S18 0	16	(@ad<"20030929" and @rlad<"20030929") and game near3(download\$4 or (down adj load\$4)) same link\$4 same (signal or detect\$4 or live or collision)	US-PGPUB; USPAT	OR	ON	2007/08/24 12:28
S18 1	35	(@ad<"20030929" and @rlad<"20030929") and (game adj (download\$4 or (down adj load\$4))) and link\$4 same (signal or detect\$4 or live or collision)	US-PGPUB; USPAT	OR	ON	2007/08/23 17:21
S18 2	18	(@ad<"20030929" and @rlad<"20030929") and (game adj (download\$4 or (down adj load\$4))) same (signal or detect\$4 or live or collision)	US-PGPUB; USPAT	OR	ON	2007/08/23 17:24
S18 3	5	(@ad<"20030929" and @rlad<"20030929") and (game adj3 (download\$4 or (down adj load\$4))) same (signal or detect\$4 or live or collision)same link	US-PGPUB; USPAT	OR	ON	2007/08/23 17:27
S18 4	7	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 (download\$4 or (down adj load\$4))) same (signal or detect\$4 or live or collision)same link	US-PGPUB; USPAT	OR	ON	2007/08/23 17:34
S18 5	182	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 (download\$4 or (down adj load\$4))) and (signal or detect\$4 or live or collision)same link	US-PGPUB; USPAT	OR	ON	2007/08/24 11:36
S18 6	38	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 (download\$4 or (down adj load\$4))) and (signal or detect\$4 or live or collision)near3 link	US-PGPUB; USPAT	OR	ON	2007/08/23 17:35

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S18 7	6	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj3 (download\$4 or (down adj load\$4))) and (signal or detect\$4 or live or collision)near link	US-PGPUB; USPAT	OR	ON	2007/08/23 17:36
S18 8	2	(@ad<"20030929" and @rlad<"20030929") and ((movie or multimedia or game) adj (download\$4 or (down adj load\$4))) and (signal or detect\$4 or live or collision)near link	US-PGPUB; USPAT	OR	ON	2007/08/23 17:36



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[Rights and Permissions](#)**15. On-line versus off-line partial discharge testing in power cables**

Ahmed, N.; Srinivas, N.;

[Transmission and Distribution Conference and Exposition, 2001 IEEE/PES](#)

Volume 2, 28 Oct.-2 Nov. 2001 Page(s):865 - 870 vol.2

Digital Object Identifier 10.1109/TDC.2001.971352

[Abstract](#) | [Full Text: PDF\(653 KB\)](#) IEEE CNF[Rights and Permissions](#)**16. A new method for snapshot and time-varying distribution network reconfiguration**

Jianzhong Wu; Yixin Yu;

[Intelligent Control and Automation, 2004. WCICA 2004. Fifth World Congress on](#)

Volume 6, 15-19 June 2004 Page(s):5069 - 5073 Vol.6

Digital Object Identifier 10.1109/WCICA.2004.1343684

[Abstract](#) | [Full Text: PDF\(472 KB\)](#) IEEE CNF[Rights and Permissions](#)**17. Signal interpretation of partial discharges in three-phase medium voltage cable systems measured on-line**

van der Wielen, P.C.J.M.; Wouters, P.A.F.; Steennis, E.F.;

[Electrical Insulation, 2002. Conference Record of the 2002 IEEE International Symposium on](#)

7-10 April 2002 Page(s):542 - 545

Digital Object Identifier 10.1109/ELINSL.2002.995994

[Abstract](#) | [Full Text: PDF\(457 KB\)](#) IEEE CNF[Rights and Permissions](#)**18. Clustering Web content for efficient replication**

Yan Chen; Lili Qiu; Weiyu Chen; Luan Nguyen; Katz, R.H.;

[Network Protocols, 2002. Proceedings, 10th IEEE International Conference on](#)

12-15 Nov. 2002 Page(s):165 - 174

[Abstract](#) | [Full Text: PDF\(392 KB\)](#) IEEE CNF[Rights and Permissions](#)**19. Using fitness distributions to improve the evolution of learning structures**

Igel, C.; Kreutz, M.;

[Evolutionary Computation, 1999. CEC 99. Proceedings of the 1999 Congress on](#)

Volume 3, 6-9 July 1999 Page(s):

Digital Object Identifier 10.1109/CEC.1999.785505

[Abstract](#) | [Full Text: PDF\(768 KB\)](#) IEEE CNF[Rights and Permissions](#)**20. On-line text/drawings segmentation of handwritten patterns**

Machii, K.; Fukushima, H.; Nakagawa, M.;

[Document Analysis and Recognition, 1993. Proceedings of the Second International Conference on](#)

20-22 Oct. 1993 Page(s):710 - 713

Digital Object Identifier 10.1109/ICDAR.1993.395638

[Abstract](#) | [Full Text: PDF\(300 KB\)](#) IEEE CNF[Rights and Permissions](#)**21. A New Online Method Based on Leakage Flux Analysis for the Early Detection and Location of Insulating Failures in Power Transformers: Application to Remote Condition Monitoring**

Cabanias, M. F.; Melero, M. G.; Pedrayes, F.; Rojas, C. H.; Orcajo, G. A.; Cano, J. M.; Iglesias, J. G.; Nuno, F.;

[Power Delivery, IEEE Transactions on](#)

Volume 22, Issue 3, July 2007 Page(s):1591 - 1602

Digital Object Identifier 10.1109/TPWRD.2006.881620

[Abstract](#) | [Full Text: PDF\(4252 KB\)](#) IEEE JNL[Rights and Permissions](#)**22. A Fast Procedure for Optimizing Dynamic Force Distribution in Multifingered Grasping**

Yu Zheng; Wen-Han Qian;

[Systems, Man and Cybernetics, Part B, IEEE Transactions on](#)
Volume 36, [Issue 6](#), Dec. 2006 Page(s):1417 - 1422
Digital Object Identifier 10.1109/TSMCB.2006.879015

[Abstract](#) | [Full Text: PDF\(218 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)

23. Prior-online Iteration for Image reconstruction with electrical capacitance tomography

Liu, S.; Fu, L.; Yang, W.Q.; Wang, H.G.; Jiang, F.;
[Science, Measurement and Technology, IEE Proceedings:](#)
Volume 151, [Issue 3](#), 2 May 2004 Page(s):195 - 200
Digital Object Identifier 10.1049/ip-smt:20040246

[Abstract](#) | [Full Text: PDF\(1880 KB\)](#) [IET JNL](#)

24. Studying Temporal Correlation Noise Modeling for Pixel Based Wyner-Ziv Video Coding

Brites, C.; Ascenso, J.; Pereira, F.;
[Image Processing, 2006 IEEE International Conference on](#)
8-11 Oct. 2006 Page(s):273 - 276
Digital Object Identifier 10.1109/ICIP.2006.313178

[Abstract](#) | [Full Text: PDF\(5103 KB\)](#) [IEEE CNF](#)
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25. Energy Management for the Electric Powernet in Vehicles With a Conventional Drivetrain

Kessels, J. T. B. A.; Koot, M.; de Jager, B.; van den Bosch, P. P. J.; Aneke, N. P. I. E.; Kok, D. B.;
[Control Systems Technology, IEEE Transactions on](#)
Volume 15, [Issue 3](#), May 2007 Page(s):494 - 505
Digital Object Identifier 10.1109/TCST.2007.894646

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1. Robust probabilistic estimation of uncertain appearance for model-based tracking

Krahnstoever, N.; Sharma, R.;

Motion_and_Video_Computing_2002_Proceedings_Workshop_on

5-6 Dec. 2002 Page(s):28 - 33

Digital Object Identifier 10.1109/MOTION.2002.1182210

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1 [Research papers: mining biological and medical data: Subsequence matching on structured time series data](#)



Huanmei Wu, Betty Salzberg, Gregory C Sharp, Steve B Jiang, Hiroki Shirato, David Kaeli
June 2005 **Proceedings of the 2005 ACM SIGMOD international conference on Management of data SIGMOD '05**

Publisher: ACM PressFull text available: [pdf\(930.08 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Subsequence matching in time series databases is a useful technique, with applications in pattern matching, prediction, and rule discovery. Internal structure within the time series data can be used to improve these tasks, and provide important insight into the problem domain. This paper introduces our research effort in using the internal structure of a time series directly in the matching process. This idea is applied to the problem domain of respiratory motion data in cancer radiation treatme ...

2 [Segmental Hidden Markov Models with Random Effects for Waveform Modeling](#)

Seyoung Kim, Padhraic Smyth

December 2006 **The Journal of Machine Learning Research**, Volume 7**Publisher:** MIT PressFull text available: [pdf\(566.79 KB\)](#) Additional Information: [full citation](#), [abstract](#)

This paper proposes a general probabilistic framework for shape-based modeling and classification of waveform data. A segmental hidden Markov model (HMM) is used to characterize waveform shape and shape variation is captured by adding random effects to the segmental model. The resulting probabilistic framework provides a basis for learning of waveform models from data as well as parsing and recognition of new waveforms. Expectation-maximization (EM) algorithms are derived and investigated for ...

3 [An Efficient Data Location Protocol for Self-organizing Storage Clusters](#)

Hong Tang, Tao Yang


November 2003 **Proceedings of the 2003 ACM/IEEE conference on Supercomputing SC '03****Publisher:** IEEE Computer SocietyFull text available: [pdf\(345.61 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Component additions and failures are common for large-scale storage clusters in production environments. To improve availability and manageability, we investigate and compare data location schemes for a large self-organizing storage cluster that can quickly adapt to the additions or departures of storage nodes. We further present an efficient location scheme that differentiates between small and large file blocks for reduced management overhead compared to uniform strategies. In our protocol, sm ...

4 Collision detection and proximity queries

 Sunil Hadap, Dave Eberle, Pascal Volino, Ming C. Lin, Stephane Redon, Christer Ericson
August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04**

Publisher: ACM Press


Full text available:  [pdf\(11.22 MB\)](#) Additional Information: [full citation](#), [abstract](#)

This course will primarily cover widely accepted and proved methodologies in collision detection. In addition more advanced or recent topics such as continuous collision detection, ADFs, and using graphics hardware will be introduced. When appropriate the methods discussed will be tied to familiar applications such as rigid body and cloth simulation, and will be compared. The course is a good overview for those developing applications in physically based modeling, VR, haptics, and robotics.

5 Physical interface: TAG: a Tiny AGgregation service for ad-hoc sensor networks


 Samuel Madden, Michael J. Franklin, Joseph M. Hellerstein, Wei Hong
December 2002 **ACM SIGOPS Operating Systems Review**, Volume 36 Issue S1

Publisher: ACM Press


Full text available:  [pdf\(2.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

We present the Tiny AGgregation (TAG) service for aggregation in low-power, distributed, wireless environments. TAG allows users to express simple, declarative queries and have them distributed and executed efficiently in networks of low-power, wireless sensors. We discuss various generic properties of aggregates, and show how those properties affect the performance of our in network approach. We include a performance study demonstrating the advantages of our approach over traditional centralize ...

6 Groupware infrastructure: Using speakeasy for ad hoc peer-to-peer collaboration

 W. Keith Edwards, Mark W. Newman, Jana Z. Sedivy, Trevor F. Smith, Dirk Balfanz, D. K. Smetters, H. Chi Wong, Shahram Izadi
November 2002 **Proceedings of the 2002 ACM conference on Computer supported cooperative work CSCW '02**

Publisher: ACM Press

Full text available:  [pdf\(346.03 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Peer-to-peer systems appear promising in terms of their ability to support ad hoc, spontaneous collaboration. However, current peer-to-peer systems suffer from several deficiencies that diminish their ability to support this domain, such as inflexibility in terms of discovery protocols, network usage, and data transports. We have developed the Speakeasy framework, which addresses these issues, and supports these types of applications. We show how Speakeasy addresses the shortcomings of current p ...

Keywords: ad-hoc collaboration, casca, peer-to-peer, speakeasy

7 A potpourri of ideas for event-based processing: A case study on event dissemination in an active overlay network environment

 Sérgio Duarte, J. Legatheaux Martins, Henrique J. Domingos, Nuno Preguiça
June 2003 **Proceedings of the 2nd international workshop on Distributed event-based systems DEBS '03**


Publisher: ACM Press

Full text available:  [pdf\(1.80 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

In this paper, we describe a case study of the design and development of a group-conferencing tool suite, built on top of an overlay network based event dissemination framework, which is extensible via quality of service template plug-ins. We explain, for each of the tools, how the framework built-in conveniences were explored to create simple but effective distributed solutions, backed by the appropriate quality of service templates, whose design we also discuss.

Keywords: active networks, case study, event dissemination, multicasting, overlay networks, quality of service (QoS)

8 Constructing collaborative desktop storage caches for large scientific datasets

 Sudharshan S. Vazhkudai, Xiaosong Ma, Vincent W. Freeh, Jonathan W. Strickland, Nandan Tammineedi, Tyler Simon, Stephen L. Scott

August 2006 **ACM Transactions on Storage (TOS)**, Volume 2 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(833.76 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

High-end computing is suffering a *data deluge* from experiments, simulations, and apparatus that creates overwhelming application dataset sizes. This has led to the proliferation of high-end mass storage systems, storage area clusters, and data centers. These storage facilities offer a large range of choices in terms of capacity and access rate, as well as strong data availability and consistency support. However, for most end-users, the "last mile" in their analysis pipeline o ...

Keywords: Distributed storage, parallel I/O, scientific data management, serverless storage system, storage cache, storage networking, storage resource management, storage scavenging, striped storage

9 Industrial practice 2: Edgecomputing: extending enterprise applications to the edge of the internet

 A. Davis, J. Parikh, W. E. Weihl

May 2004 **Proceedings of the 13th international World Wide Web conference on Alternate track papers & posters WWW Alt. '04**

Publisher: ACM Press

Full text available:  [pdf\(224.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Content delivery networks have evolved beyond traditional distributed caching. With services such as Akamai's EdgeComputing it is now possible to deploy and run enterprise business Web applications on a globally distributed computing platform, to provide subsecond response time to end users anywhere in the world. Additionally, this distributed application platform provides high levels of fault-tolerance and scalability on-demand to meet virtually any need. Application resources can be provisione ...

Keywords: Internet applications, N-tier applications, Web services, distributed applications, edge computing, grid computing, split-tier applications, utility computing, web applications

10 Automatic configuration of internet services

 Wei Zheng, Ricardo Bianchini, Thu D. Nguyen

March 2007 **ACM SIGOPS Operating Systems Review , Proceedings of the 2007 conference on EuroSys EuroSys '07**, Volume 41 Issue 3

Publisher: ACM Press


Full text available:  [pdf\(935.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recent research has found that operators frequently misconfigure Internet services, causing various availability and performance problems. In this paper, we propose a software infrastructure that eliminates several types of misconfiguration by automating the generation of configuration files in Internet services, even as the services evolve. The infrastructure comprises a custom scripting language, configuration file templates, communicating runtime monitors, and heuristic algorithms to detec ...

Keywords: configuration, internet services, manageability, operator mistakes

11 Resource sharing for replicated synchronous groupware

James Begole, Randall B. Smith, Craig A. Struble, Clifford A. Shaffer

December 2001 **IEEE/ACM Transactions on Networking (TON)**, Volume 9 Issue 6**Publisher:** IEEE PressFull text available:  pdf(352.19 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe problems associated with accessing data resources external to the application, which we term *externalities*, in replicated synchronous collaborative applications. Accessing externalities such as files, databases, network connections, environment variables, and the system clock is not as straightforward in replicated collaborative software as in single-user applications or centralized collaborative systems. We describe *ad hoc* solutions that add to development cost and com ...

Keywords: Collaborative work, concurrency control, distributed computing, file servers, object-oriented programming, software

12 Tracking cyberstalkers: a cryptographic approach

Mike Burmester, Peter Henry, Leo S. Kermes


September 2005 **ACM SIGCAS Computers and Society**, Volume 35 Issue 3**Publisher:** ACM PressFull text available:  pdf(99.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Stalking is a pattern of behavior over time in which a stalker seeks to gain access to, or control over, an unwilling victim. Such actions range from the benign to the malicious and may cause emotional distress or harm to the victim. With the widespread adoption of new technologies, new forums of Internet-mediated discourse now exist which offer stalkers unprecedented scope to locate and exert influence over victims. Cyberstalking, the convergence of stalking and cyberspace, has created new chal ...

Keywords: cyberharassment, cyberstalking, digital evidence integrity, digital forensics

13 Systems: The networked sensor tapestry (NeST): a privacy enhanced software architecture for interactive analysis of data in video-sensor networks

Douglas A. Fidaleo, Hoang-Anh Nguyen, Mohan Trivedi


October 2004 **Proceedings of the ACM 2nd international workshop on Video surveillance & sensor networks VSSN '04****Publisher:** ACM PressFull text available:  pdf(674.07 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper details the architecture of a test-bed under development for secure sharing, capture, distributed processing, and archiving of surveillance data called the Networked Sensor Tapestry (NeST). The test-bed consists of core software modules including a centralized server, client interface library, a layered XML messaging scheme. Mobile hardware clients are interfaced to the NeST using a Tiny-OS based microcontroller with sensor data collected over a 1-wire data bus. Maintaining subject ...

Keywords: privacy, surveillance architecture, video-sensor networks

14 Risks to the public: Risks to the public

Peter G. Neumann

May 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 3**Publisher:** ACM PressFull text available:  pdf(177.87 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

15 Fast online pointer analysis



Martin Hirzel, Daniel Von Dincklage, Amer Diwan, Michael Hind

April 2007 **ACM Transactions on Programming Languages and Systems (TOPLAS)**,

Volume 29 Issue 2

Publisher: ACM Press

Full text available: pdf(430.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Pointer analysis benefits many useful clients, such as compiler optimizations and bug finding tools. Unfortunately, common programming language features such as dynamic loading, reflection, and foreign language interfaces, make pointer analysis difficult. This article describes how to deal with these features by performing pointer analysis online during program execution. For example, dynamic loading may load code that is not available for analysis before the program starts. Only an online an ...

Keywords: Pointer analysis, class loading, native interface, reflection

16 A reliable object-oriented data repository for a distributed computer system



Liba Svobodova

December 1981

ACM SIGOPS Operating Systems Review , Proceedings of the eighth

ACM symposium on Operating systems principles SOSP '81, Volume 15

Issue 5

Publisher: ACM Press

Full text available: pdf(1.18 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The repository described in this paper is a component of a distributed data storage system for a network of many autonomous machines that might run diverse applications. The repository is a server machine that provides very large, very reliable long-term storage for both private and shared data objects. The repository can handle both very small and very large data objects, and it supports atomic update of groups of objects that might be distributed over several repositories. Each object is ...

Keywords: Atomic update, Crash recovery, Distributed data storage system, Memory management, Optical disk, Server, Stable storage

17 Privacy issues in practice: Information revelation and privacy in online social networks



Ralph Gross, Alessandro Acquisti, H. John Heinz

November 2005 **Proceedings of the 2005 ACM workshop on Privacy in the electronic society WPES '05**

Publisher: ACM Press

Full text available: pdf(237.83 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Participation in social networking sites has dramatically increased in recent years. Services such as Friendster, Tribe, or the Facebook allow millions of individuals to create online profiles and share personal information with vast networks of friends - and, often, unknown numbers of strangers. In this paper we study patterns of information revelation in online social networks and their privacy implications. We analyze the online behavior of more than 4,000 Carnegie Mellon University students ...

Keywords: information revelation, online privacy, social networking sites

18 Shape-based retrieval and analysis of 3D models

Thomas Funkhouser, Michael Kazhdan

August 2004 **ACM SIGGRAPH 2004 Course Notes SIGGRAPH '04****Publisher:** ACM PressFull text available: [pdf\(12.56 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Large repositories of 3D data are rapidly becoming available in several fields, including mechanical CAD, molecular biology, and computer graphics. As the number of 3D models grows, there is an increasing need for computer algorithms to help people find the interesting ones and discover relationships between them. Unfortunately, traditional text-based search techniques are not always effective for 3D models, especially when queries are geometric in nature (e.g., find me objects that fit into thi ...

19 ARIES: a transaction recovery method supporting fine-granularity locking and partial rollbacks using write-ahead logging

C. Mohan, Don Haderle, Bruce Lindsay, Hamid Pirahesh, Peter Schwarz

March 1992 **ACM Transactions on Database Systems (TODS)**, Volume 17 Issue 1**Publisher:** ACM PressFull text available: [pdf\(5.23 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

DB2TM, IMS, and TandemTM systems. ARIES is applicable not only to database management systems but also to persistent object-oriented languages, recoverable file systems and transaction-based operating systems. ARIES has been implemented, to varying degrees, in IBM's OS/2TM Extended Edition Database Manager, DB2, Workstation Data Save Facility/VM, Starburst and QuickSilver, and in the University of Wisconsin's EXODUS and Gamma d ...

Keywords: buffer management, latching, locking, space management, write-ahead logging

20 Distributed admission control, scheduling, and routing with stale information

Ashish Goel, Adam Meyerson, Serge Plotkin

January 2001 **Proceedings of the twelfth annual ACM-SIAM symposium on Discrete algorithms SODA '01****Publisher:** Society for Industrial and Applied MathematicsFull text available: [pdf\(623.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We study the problem of distributed online admission control and routing of permanent virtual circuits in a capacitated network. We assume that we have k distinct decision makers, each of which is responsible for gathering its own information about the state of the network. Through simulation, we demonstrate that an exponential based routing scheme will perform well in a distributed model provided granularity is sufficiently high. In order to ground these results theoretically, we prov ...

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